students with the skills and abilities necessary to apply computational thinking in the digital world.

''(3) COMPUTATIONAL THINKING.—The term 'computational thinking' means critical thinking skills that—

''(A) include knowledge of how problems and solutions can be expressed in such a way that allows them to be modeled or solved using a computer or machine;

''(B) include the use of strategies related to problem decomposition, pattern matching, abstractions, modularity, and algorithm design; and

''(C) involve creative problem solving skills and are applicable across a wide range of disciplines and careers.''.

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**SA 2003.** Mr. PAUL (for himself, Mr. JOHNSON, Mr. TUBERVILLE, Mr. MARSHALL, Mr. BRAUN, and Mr. TILLIS) proposed an amendment to amendment SA 1502 proposed by Mr. SCHUMER to the bill S. 1260, to establish a new Directorate for Technology and Innovation in the National Science Foundation, to establish a regional technology hub program, to require a strategy and report on economic security, science, research, innovation, manufacturing, and job creation, to establish a critical supply chain resiliency program, and for other purposes; as follows:

At the appropriate place, insert the following:

**SEC. ___. PROHIBITION ON FUNDING FOR GAIN-OF-FUNCTION RESEARCH CONDUCTED IN CHINA.**

(a) IN GENERAL.—No funds made available to any Federal agency, including the National Institutes of Health, may be used to conduct gain-of-function research in China.

(b) DEFINITION OF GAIN-OF-FUNCTION RESEARCH.—In this section, the term ''gain-of-function research'' means any research project that may be reasonably anticipated to confer attributes to influenza, MERS, or SARS viruses such that the virus would have enhanced pathogenicity or transmissibility in mammals.

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**SA 2004.** Mr. SASSE (for himself and Mr. BENNET) submitted an amendment intended to be proposed to amendment SA 1502 proposed by Mr. SCHUMER to the bill S. 1260, to establish a new Directorate for Technology and Innovation in the National Science Foundation, to establish a regional technology hub program, to require a strategy and report on economic security, science, research, innovation, manufacturing, and job creation, to establish a critical supply chain resiliency program, and for other purposes; which was ordered to lie on the table; as follows:

At the appropriate place in title V of division B, insert the following:

**SEC. _____. PLAN FOR ARTIFICIAL INTELLIGENCE DIGITAL ECOSYSTEM.**

(a) IN GENERAL.—Not later than 1 year after the date of the enactment of this Act, the Director of National Intelligence shall—

(1) develop a plan for the development and resourcing of a modern digital ecosystem that embraces state-of-the-art tools and modern processes to enable development, testing, fielding, and continuous update of artificial intelligence-powered applications at speed and scale from headquarters to the tactical edge; and

(2) submit to the Select Committee on Intelligence of the Senate and the Permanent Select Committee on Intelligence of the House of Representatives the plan developed under paragraph (1).

(b) CONTENTS OF PLAN.—At a minimum, the plan required by subsection (a) shall include the following:

(1) A roadmap for adopting a hoteling model to allow trusted small- and medium-sized artificial intelligence companies access to classified facilities on a flexible basis.

(2) An open architecture and an evolving reference design and guidance for needed technical investments in the proposed ecosystem that address issues, including common interfaces, authentication, applications, platforms, software, hardware, and data infrastructure.

(3) A governance structure, together with associated policies and guidance, to drive the implementation of the reference throughout the intelligence community on a federated basis.

(c) FORM.—The plan submitted under subsection (a)(2) shall be submitted in unclassified form, but may include a classified annex.

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**SA 2005.** Mrs. BLACKBURN (for herself and Mr. LUJÁN) submitted an amendment intended to be proposed to amendment SA 1502 proposed by Mr. SCHUMER to the bill S. 1260, to establish a new Directorate for Technology and Innovation in the National Science Foundation, to establish a regional technology hub program, to require a strategy and report on economic security, science, research, innovation, manufacturing, and job creation, to establish a critical supply chain resiliency program, and for other purposes; which was ordered to lie on the table; as follows:

At the end of title V of division B, add the following:

**SEC. _____. STUDY ON NATIONAL LABORATORY CONSORTIUM FOR CYBER RESILIENCE.**

(a) STUDY REQUIRED.—The Secretary of Energy shall, in consultation with the Secretary of Homeland Security and the Secretary of Defense, conduct a study to analyze the feasibility of authorizing a consortia within the National Laboratory system to address information technology and operational technology cybersecurity vulnerabilities in critical infrastructure (as defined in section 1016(e) of the Critical Infrastructures Protection Act of 2001 (42 U.S.C. 5195c(e)).

(b) ELEMENTS.—The study required under subsection (a) shall include the following:

(1) An analysis of any additional authorities needed to establish a research and development program to leverage the expertise at the Department of Energy National Laboratories to accelerate development and delivery of advanced tools and techniques to defend critical infrastructure against cyber intrusions and enable resilient operations during a cyber attack.

(2) Evaluation of potential pilot programs in research, innovation transfer, academic partnerships, and industry partnerships for critical infrastructure protection research.

(3) Identification of and assessment of near-term actions, and cost estimates, necessary for the proposed consortia to be established and effective at a broad scale expeditiously.

(c) REPORT.—

(1) IN GENERAL.—Not later than 120 days after the date of the enactment of this Act, the Secretary of Energy shall submit to the appropriate committees of Congress a report on the findings of the Secretary with respect to the study conducted under subsection (a).

(2) FORM.—The report submitted under paragraph (1) shall be submitted in unclassified form, but may include a classified annex.

(3) APPROPRIATE COMMITTEES OF CONGRESS DEFINED.—In this subsection, the term ''appropriate committees of Congress'' means—

(A) the Committee on Energy and Natural Resources, the Committee on Armed Services, the Committee on Homeland Security and Government Affairs, and the Select Committee on Intelligence of the Senate; and

(B) the Committee on Energy and Commerce, the Committee on Armed Services, the Committee on Homeland Security, and the Permanent Select Committee on Intelligence of the House of Representatives.

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**SA 2006.** Mr. HAGERTY submitted an amendment intended to be proposed to amendment SA 1502 proposed by Mr. SCHUMER to the bill S. 1260, to establish a new Directorate for Technology and Innovation in the National Science Foundation, to establish a regional technology hub program, to require a strategy and report on economic security, science, research, innovation, manufacturing, and job creation, to establish a critical supply chain resiliency program, and for other purposes; which was ordered to lie on the table; as follows:

At the appropriate place, insert the following:

**SEC. _____. REASONABLE, NON-DISCRIMINATORY ACCESS TO ONLINE COMMUNICATIONS PLATFORMS; BLOCKING AND SCREENING OF OFFENSIVE MATERIAL.**

(a) IN GENERAL.—Part I of title II of the Communications Act of 1934 (47 U.S.C. 201 et seq.) is amended—

(1) by striking section 230; and

(2) by adding at the end the following:

**''SEC. 232. REASONABLE, NON-DISCRIMINATORY ACCESS TO ONLINE COMMUNICATIONS PLATFORMS; BLOCKING AND SCREENING OF OFFENSIVE MATERIAL.**

''(a) FINDINGS.—Congress finds the following:

''(1) The rapidly developing array of internet and other interactive computer services available to individual Americans represent an extraordinary advance in the availability of educational and informational resources to our citizens.

''(2) These services often offer users a great degree of control over the information that they receive, as well as the potential for even greater control in the future as technology continues to develop.

''(3) The internet and other interactive computer services offer a forum for a true diversity of political discourse and viewpoints, unique opportunities for cultural development, and myriad avenues for intellectual activity, and regulation of the internet must be tailored to supporting those activities.

''(4) The internet and other interactive computer services have flourished, to the benefit of all Americans, with a minimum of government regulation, and regulation should be limited to what is necessary to preserve the societal benefits provided by the internet.

''(5) Increasingly Americans rely on internet platforms and websites for a variety of political, educational, cultural, and entertainment services and for communication with one another.

''(b) POLICY.—It is the policy of the United States—